

[illegible]

FIG.3

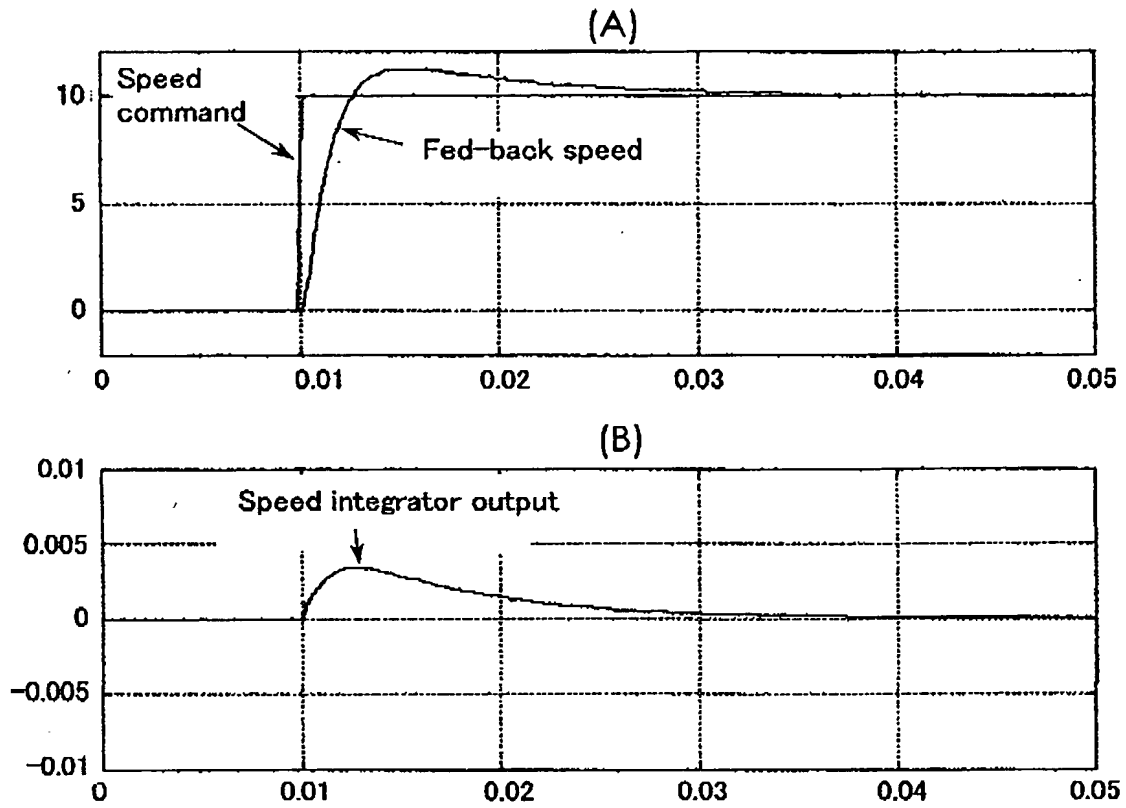


FIG.4

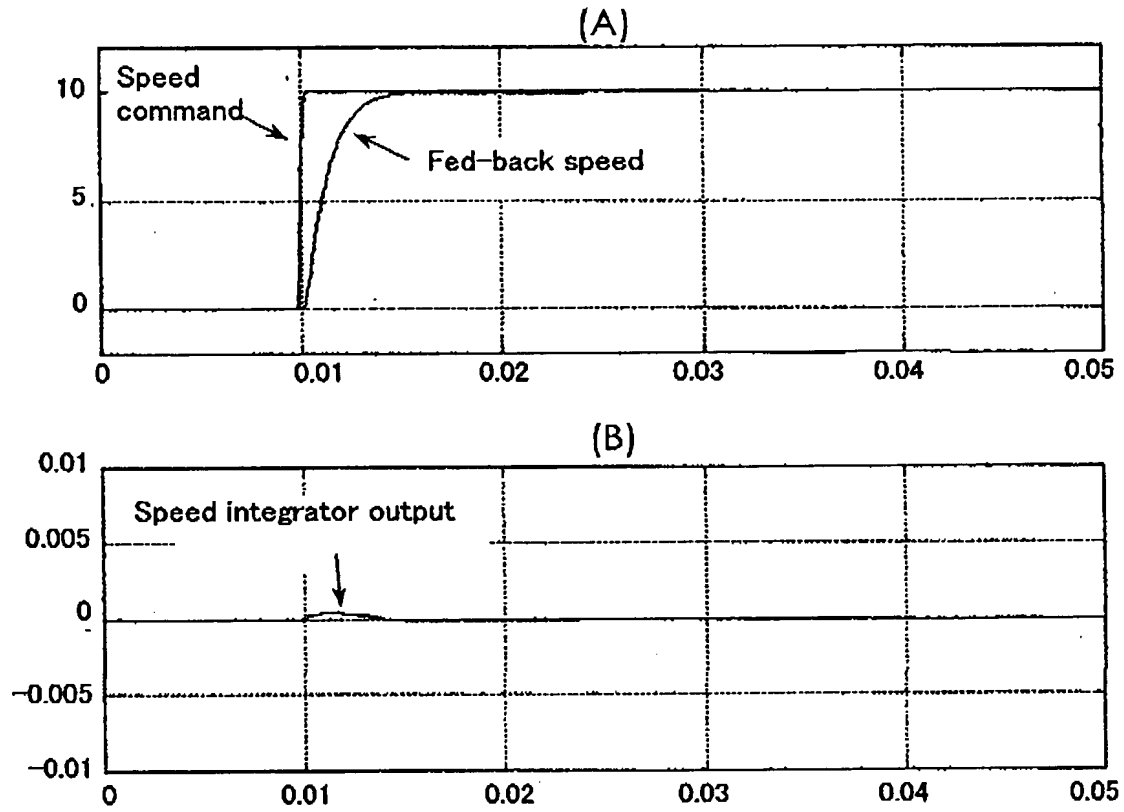


FIG.5

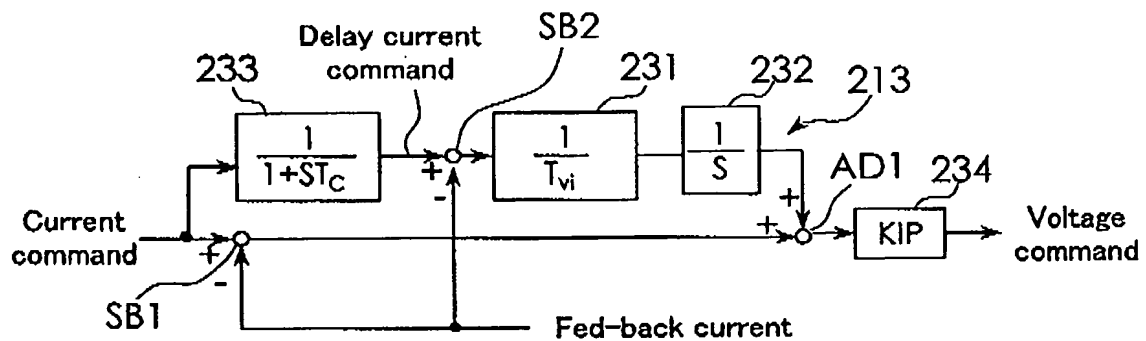
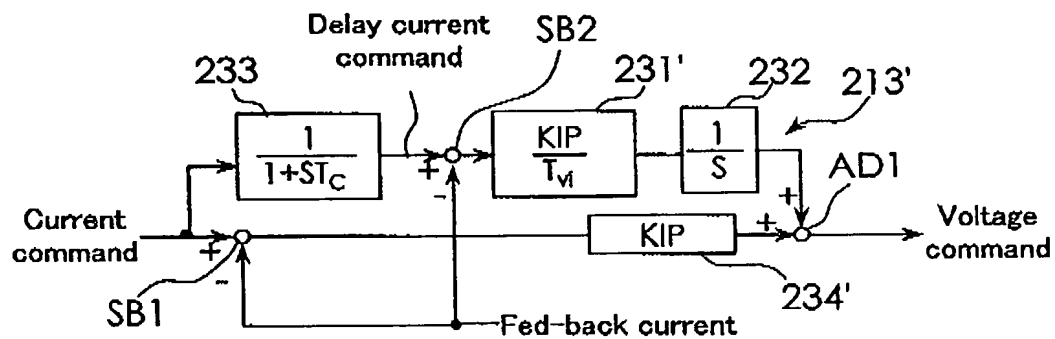


FIG.6



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FIG.7

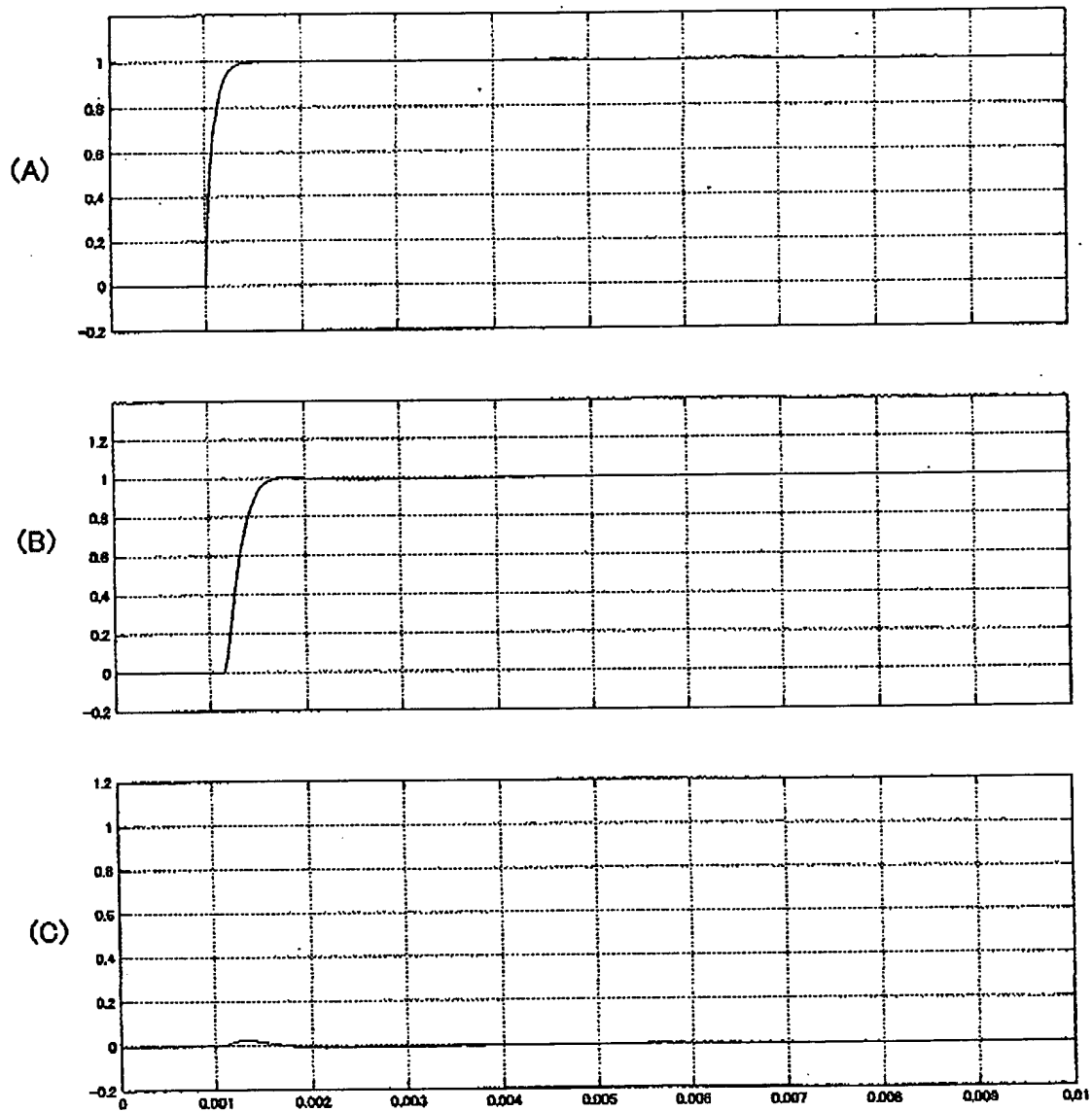
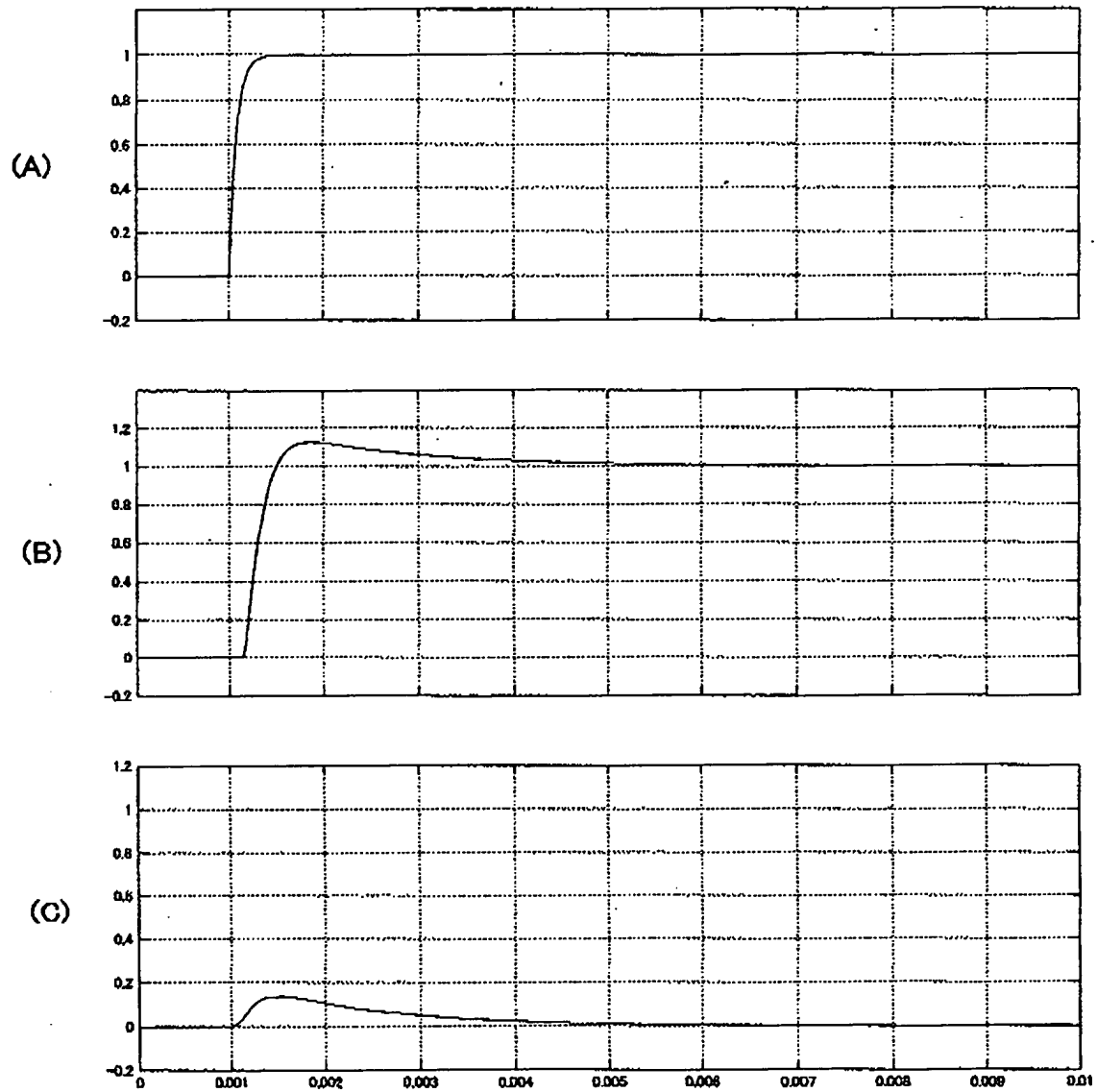


FIG.8



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Fig.9

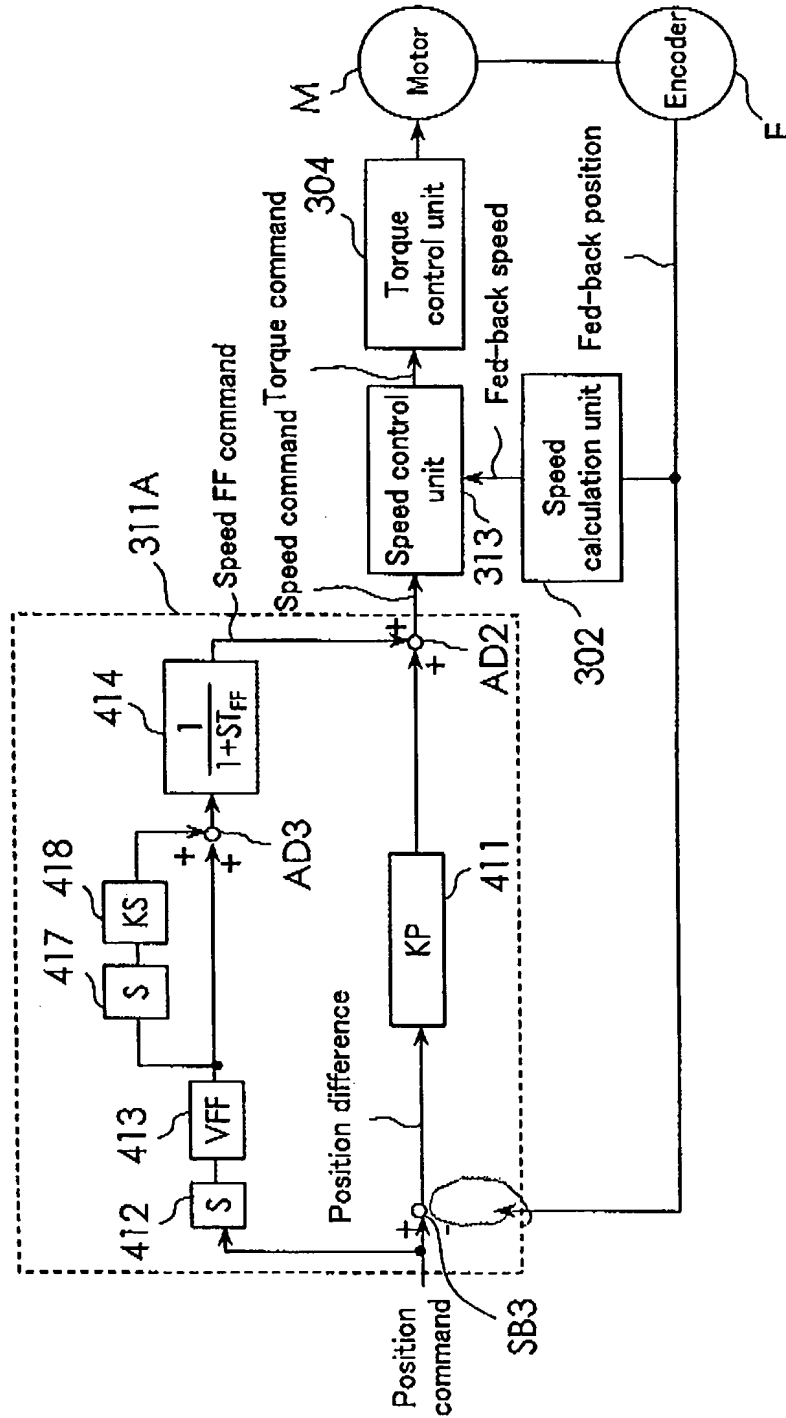


FIG.10

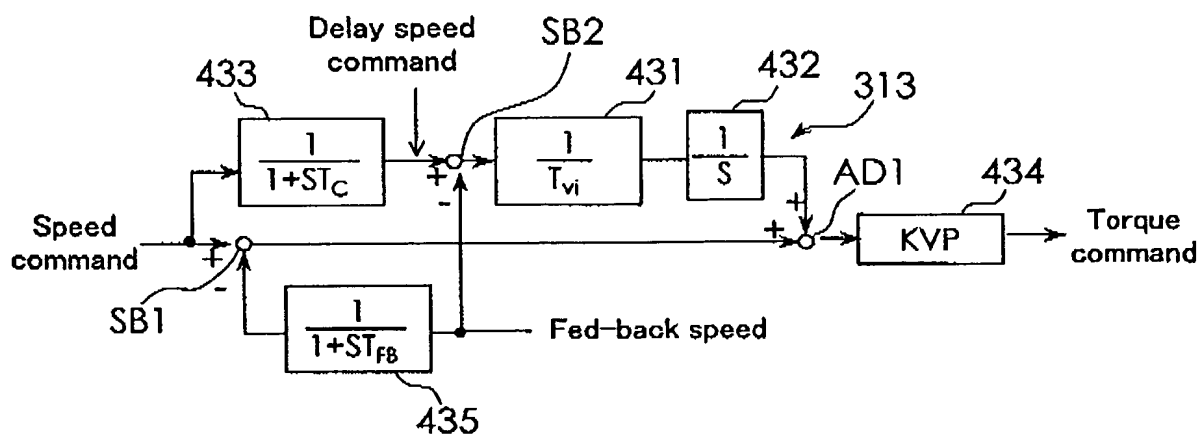


FIG.11

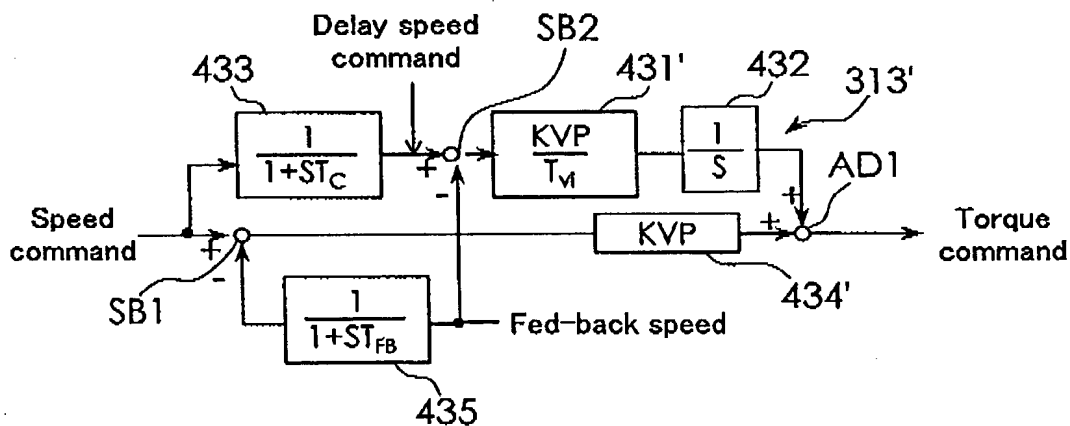


Fig.12

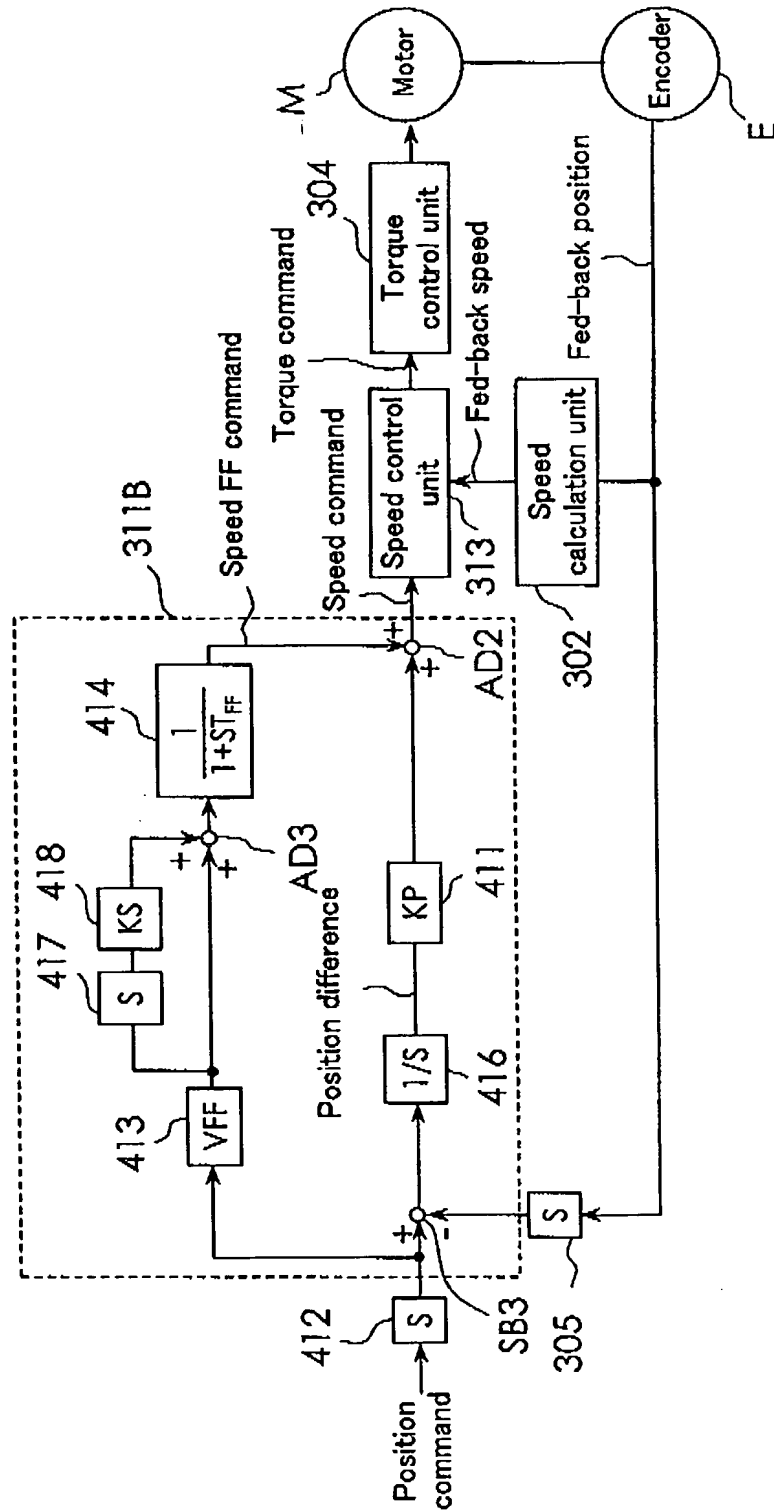


Fig.13

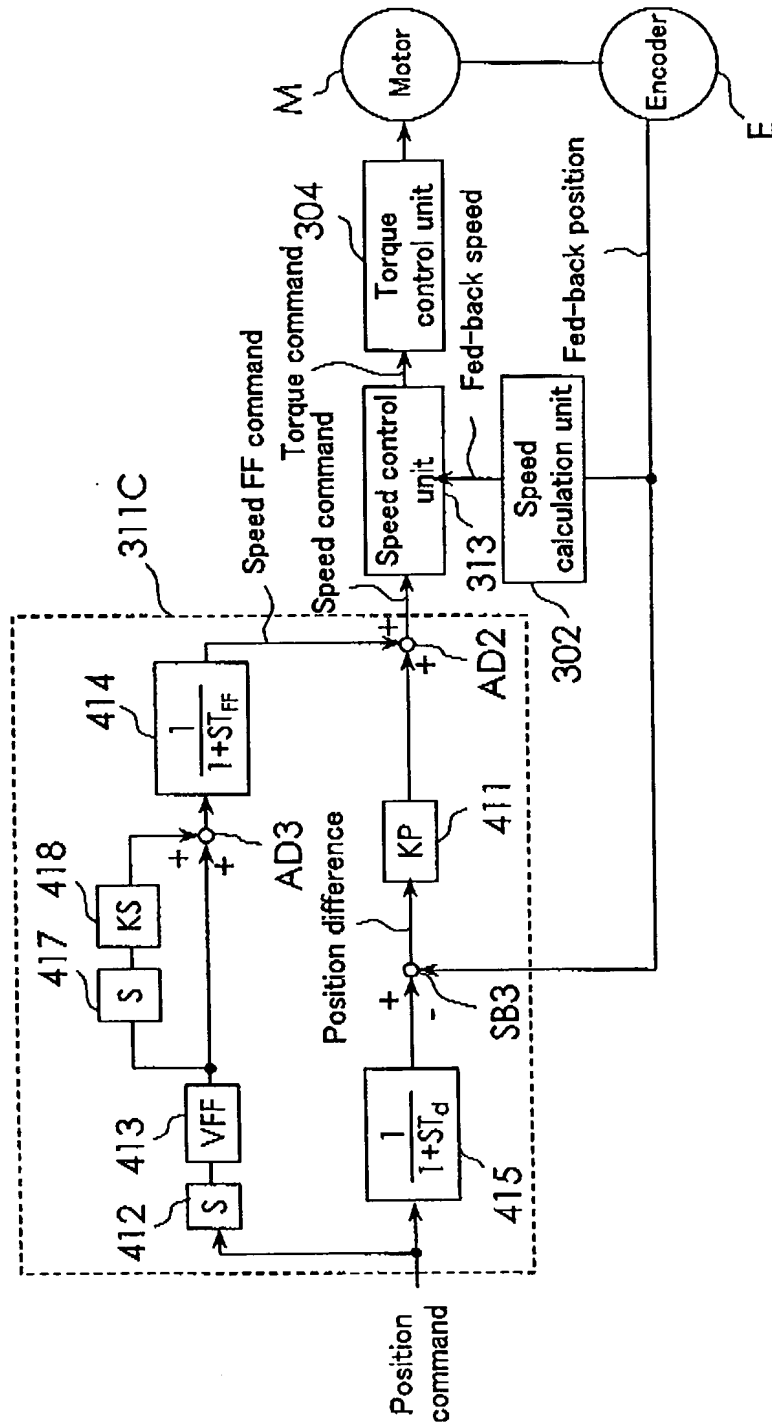


Fig.14

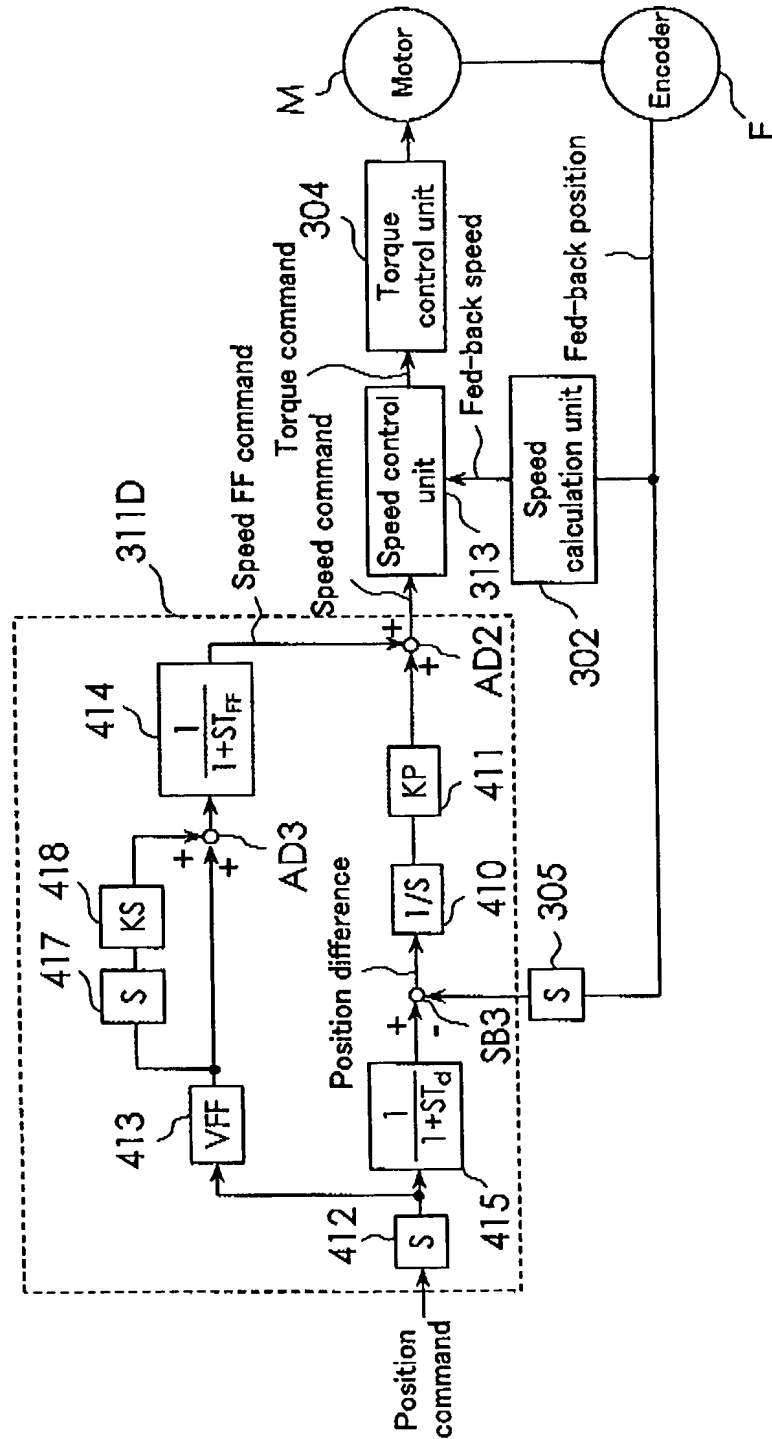
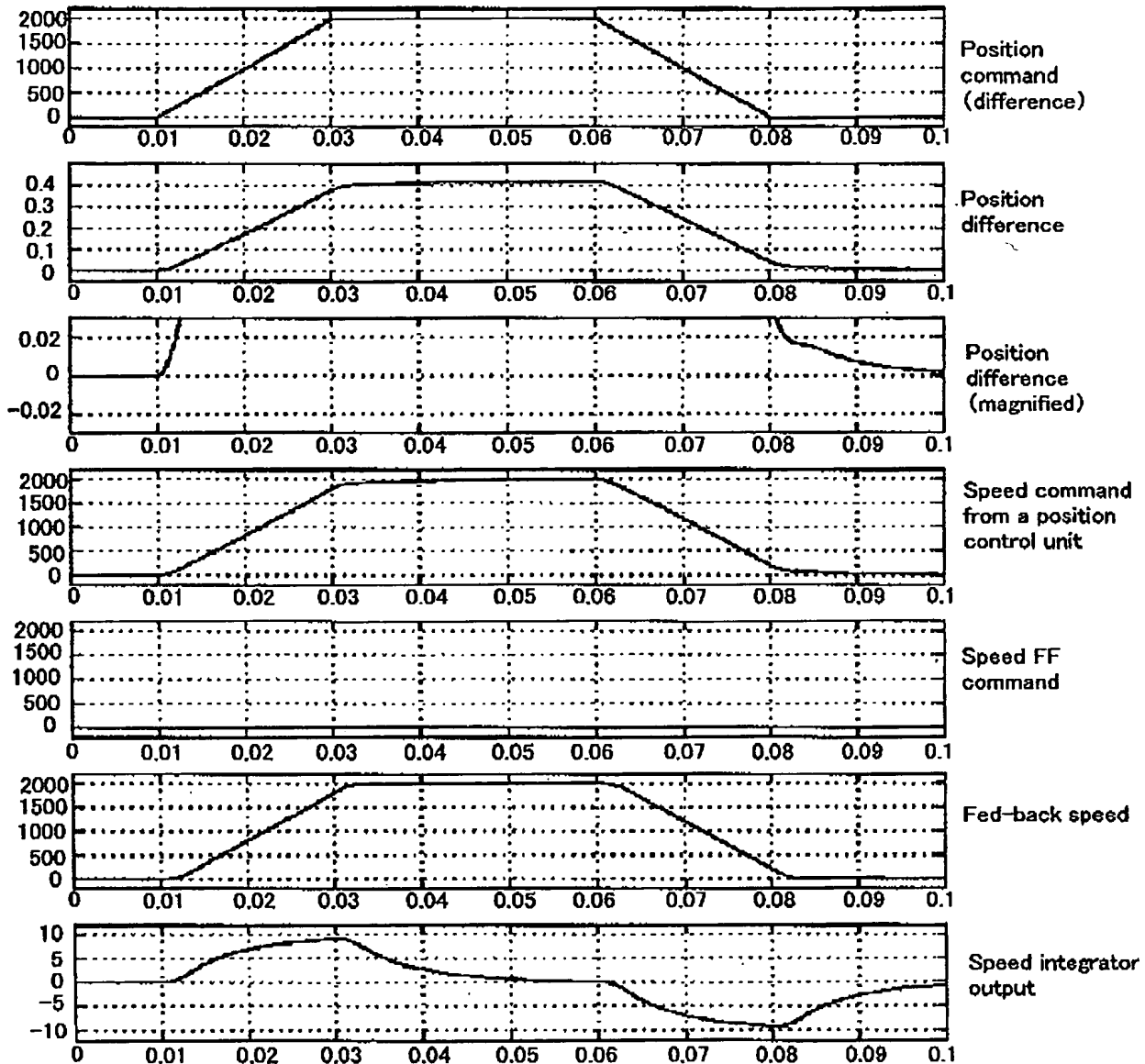
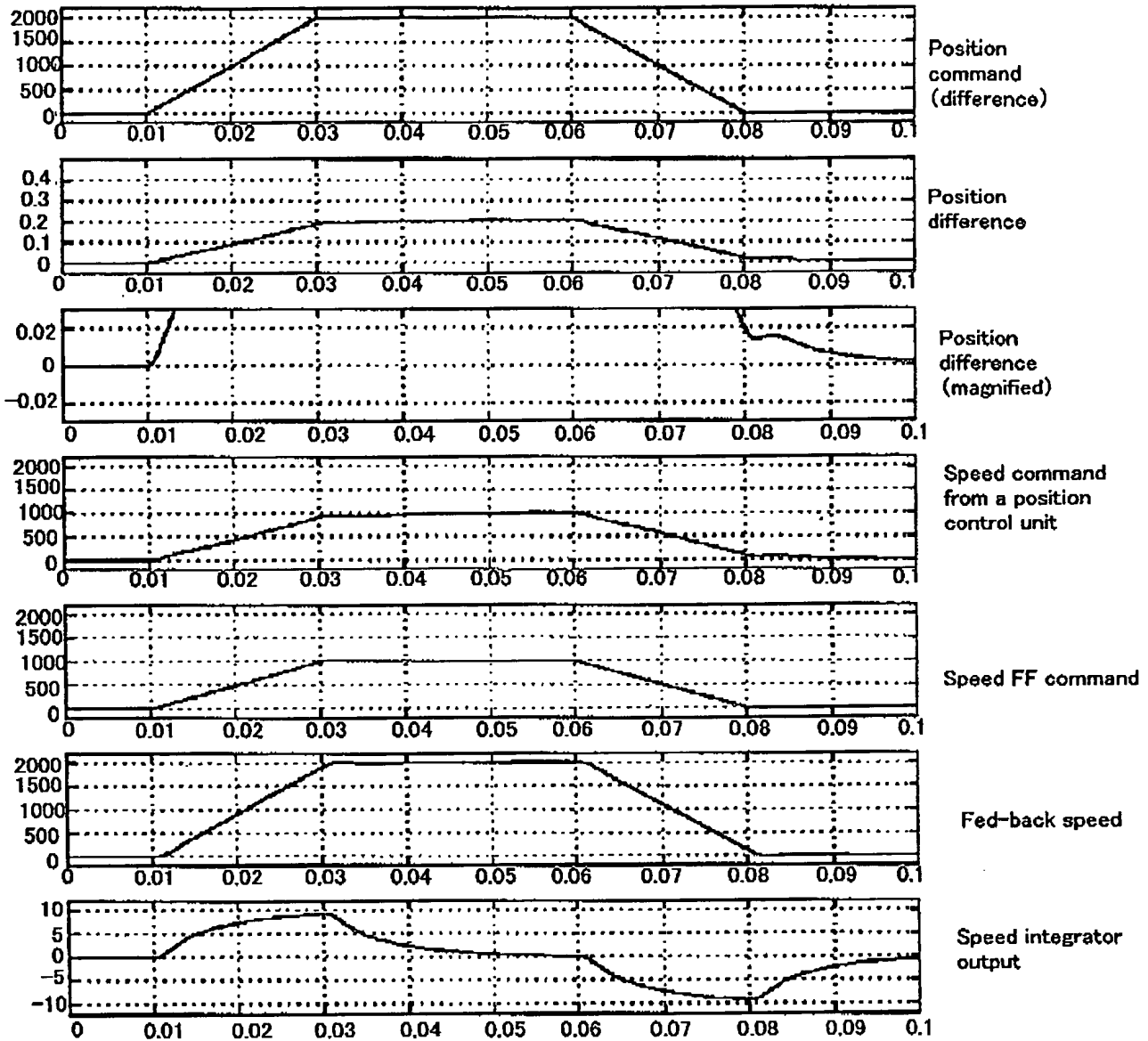


FIG.15



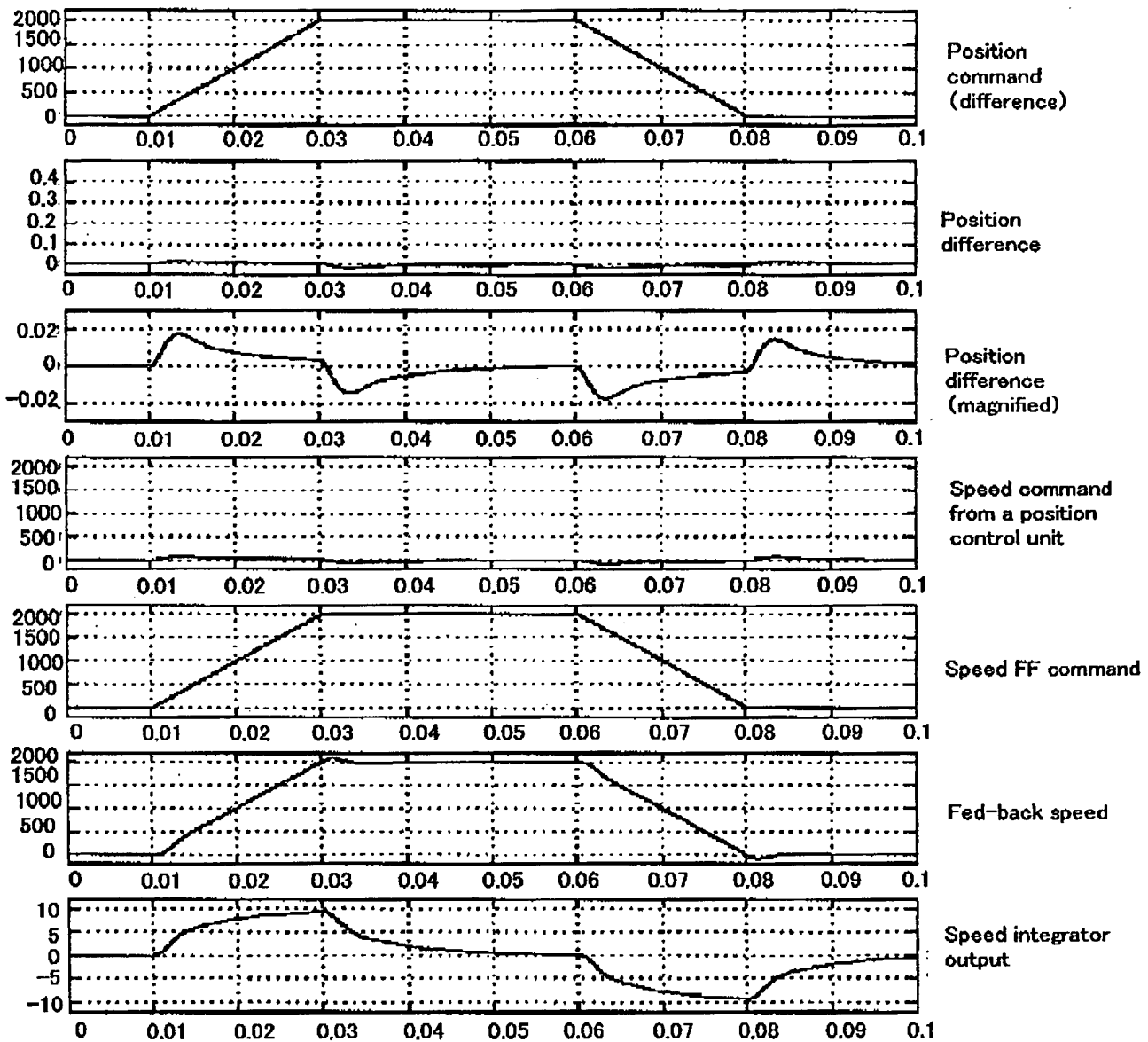
(Feed forward gain 0%)

FIG.16



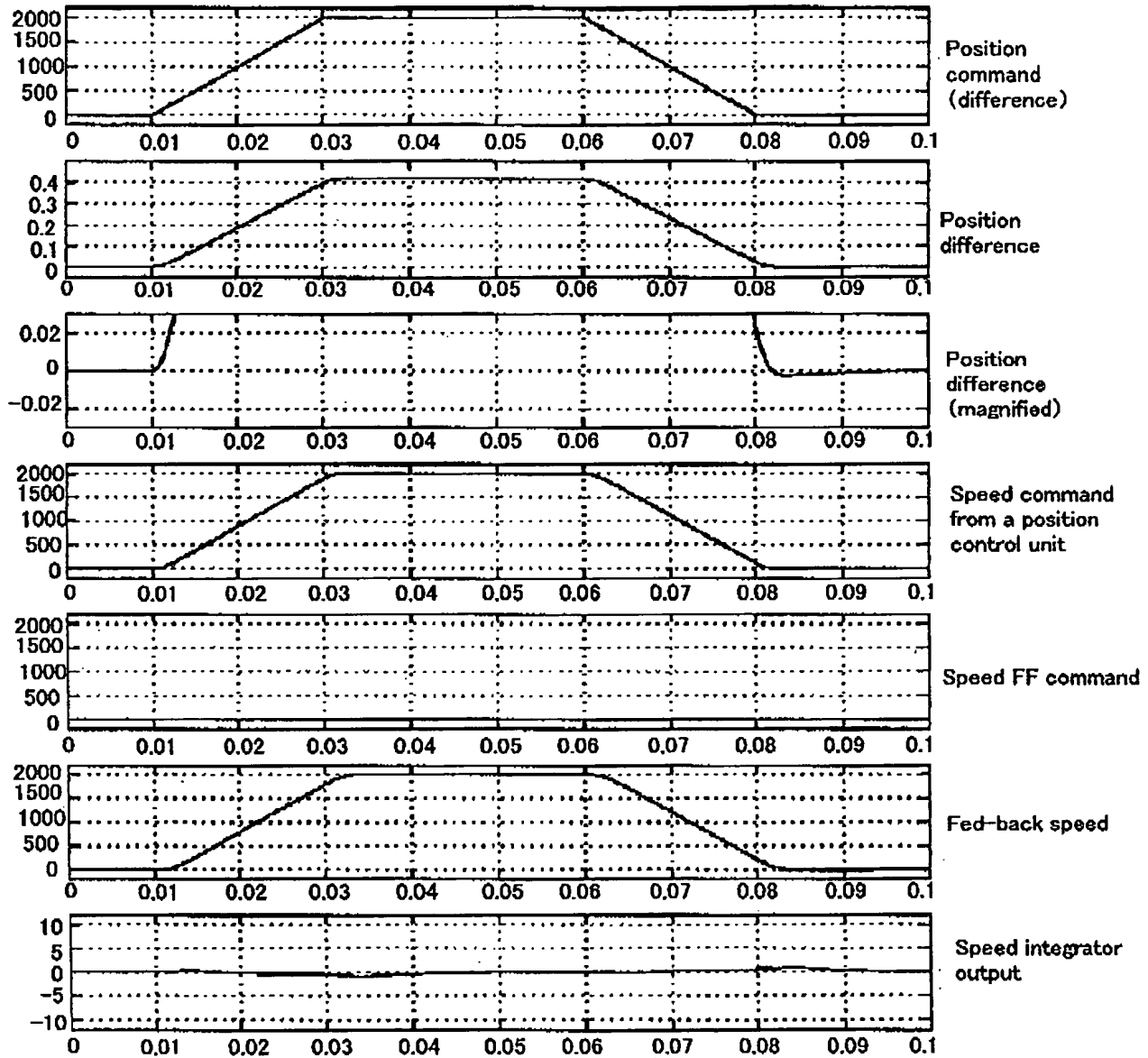
(Feed forward gain 50%)

FIG.17



(Feed forward gain 100%)

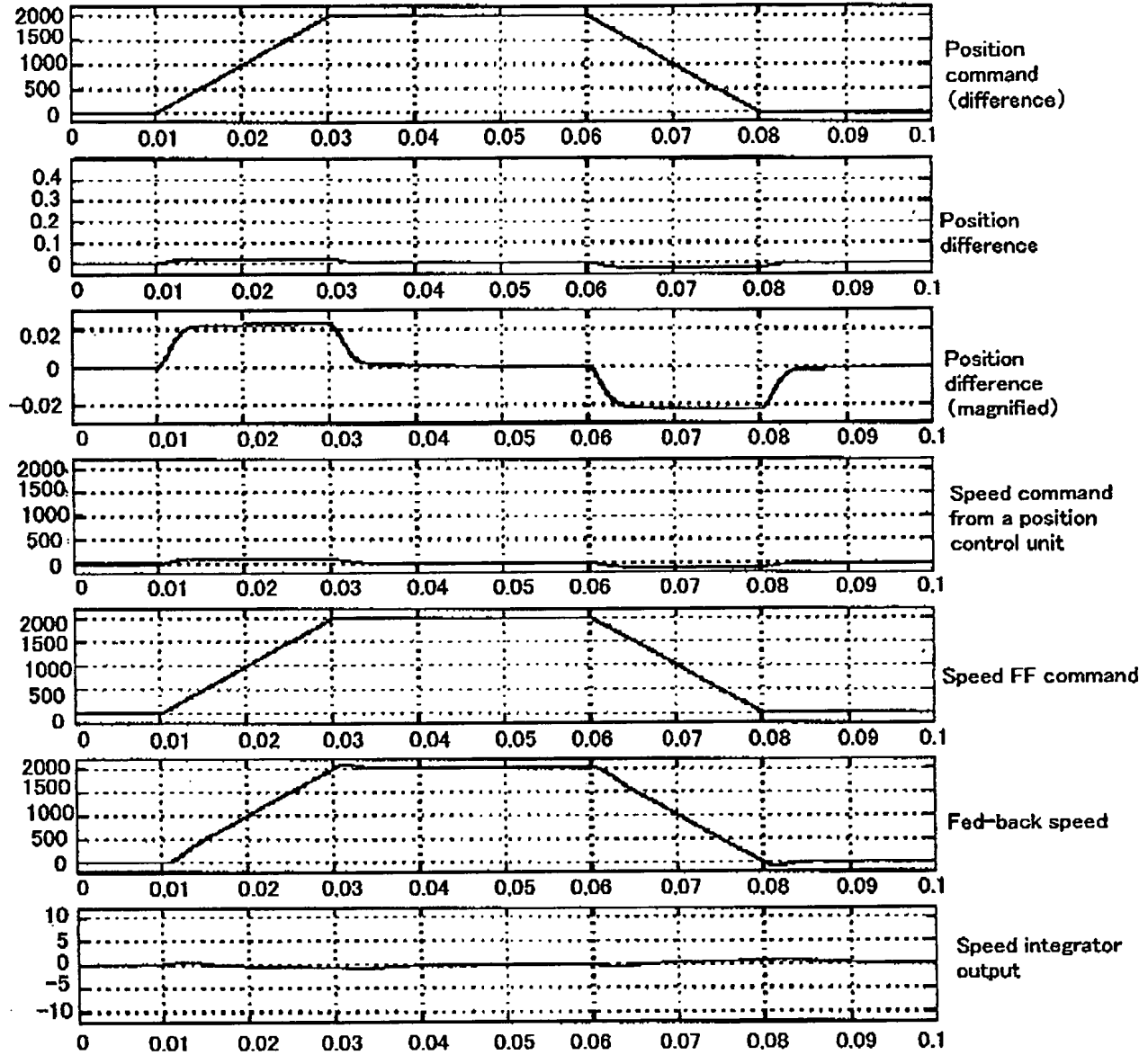
FIG.18



Feed forward gain 0%
A delay compensation low-pass filter in the speed control unit is applied.

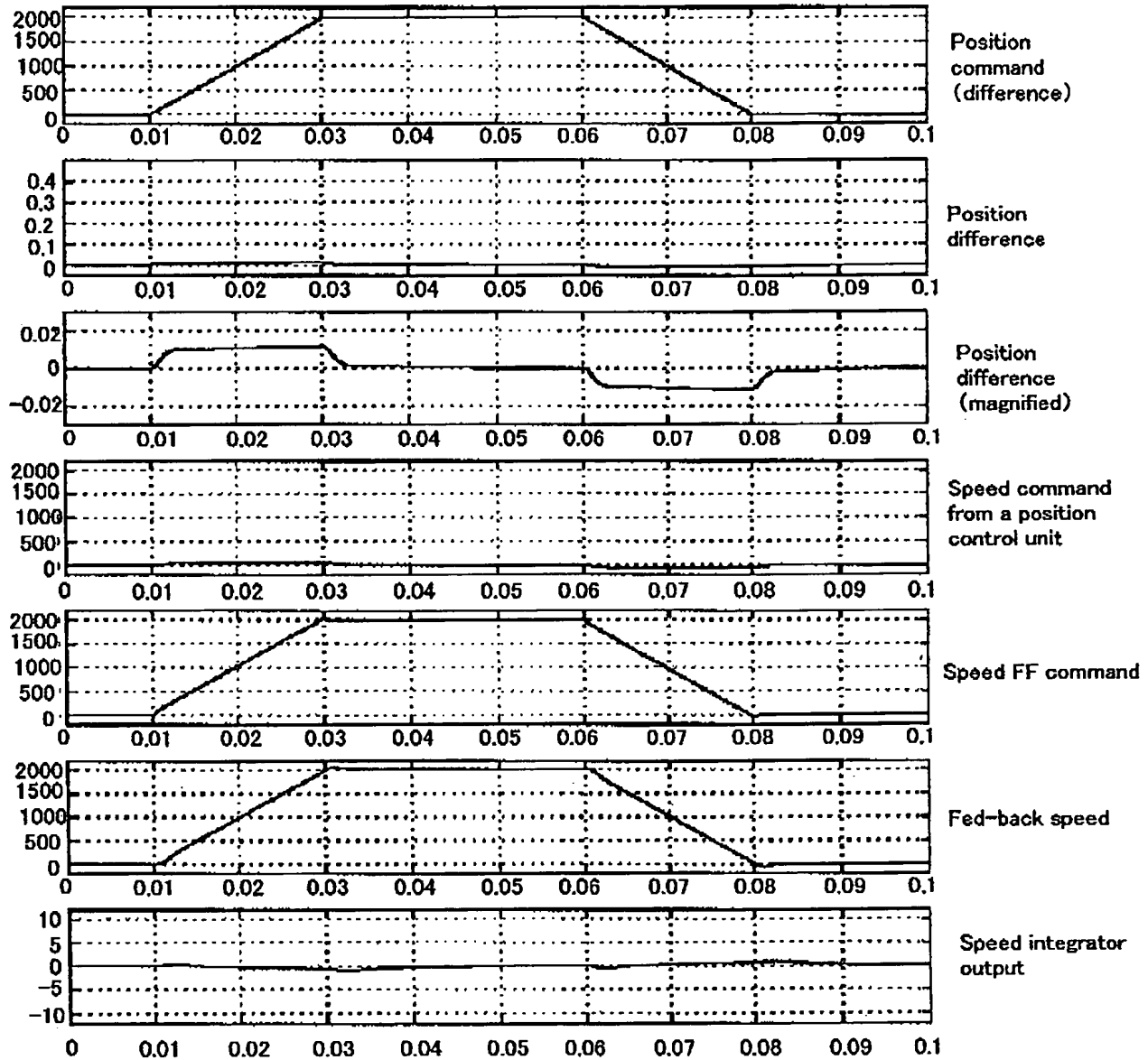
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FIG.19



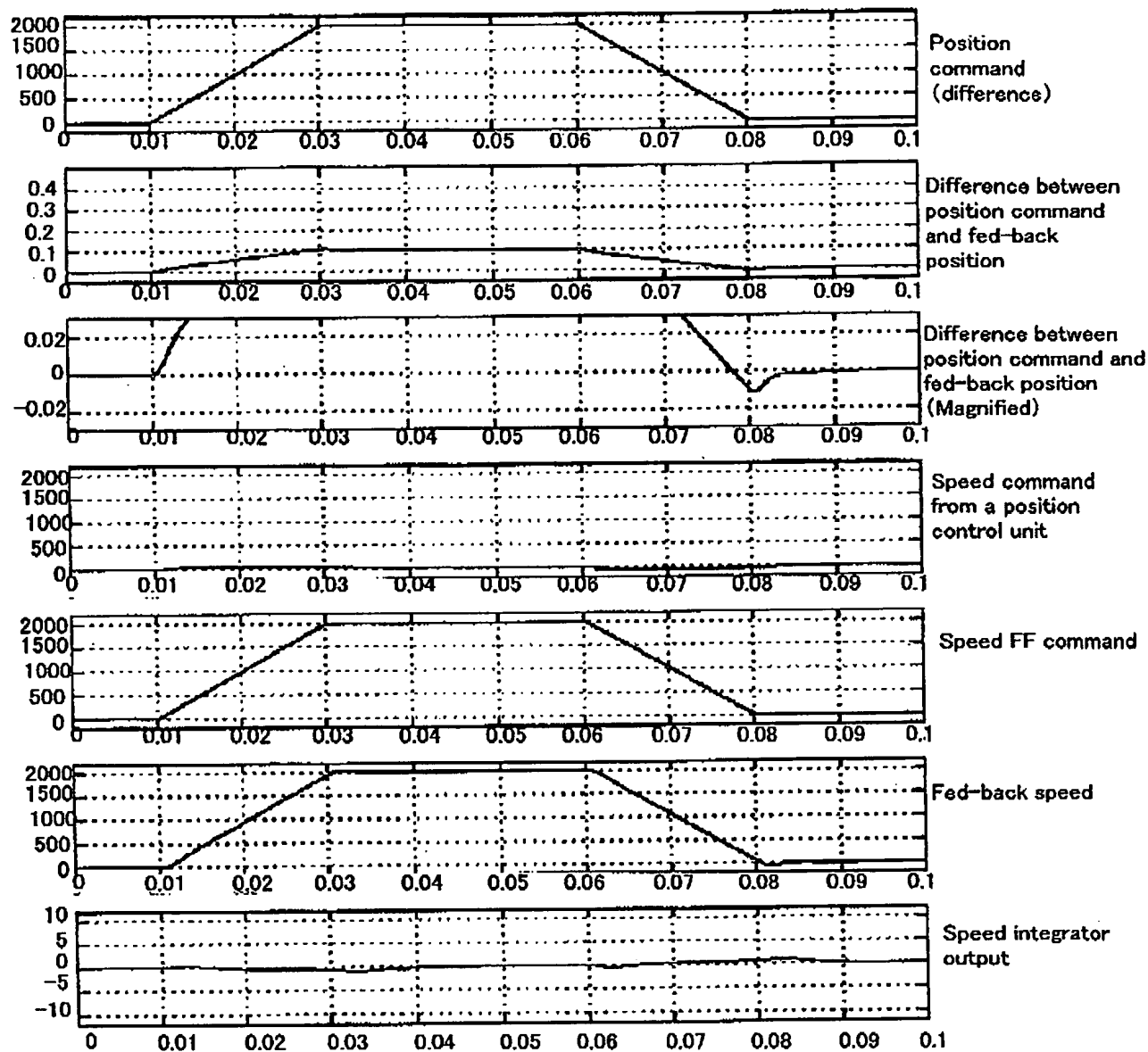
Feed forward gain 100%
A delay compensation low-pass filter in the speed control unit is applied.
Differential gain 0

FIG.20



Feed forward gain 100%
 A delay compensation low-pass filter in the speed control unit is applied.
 Differential gain is set.

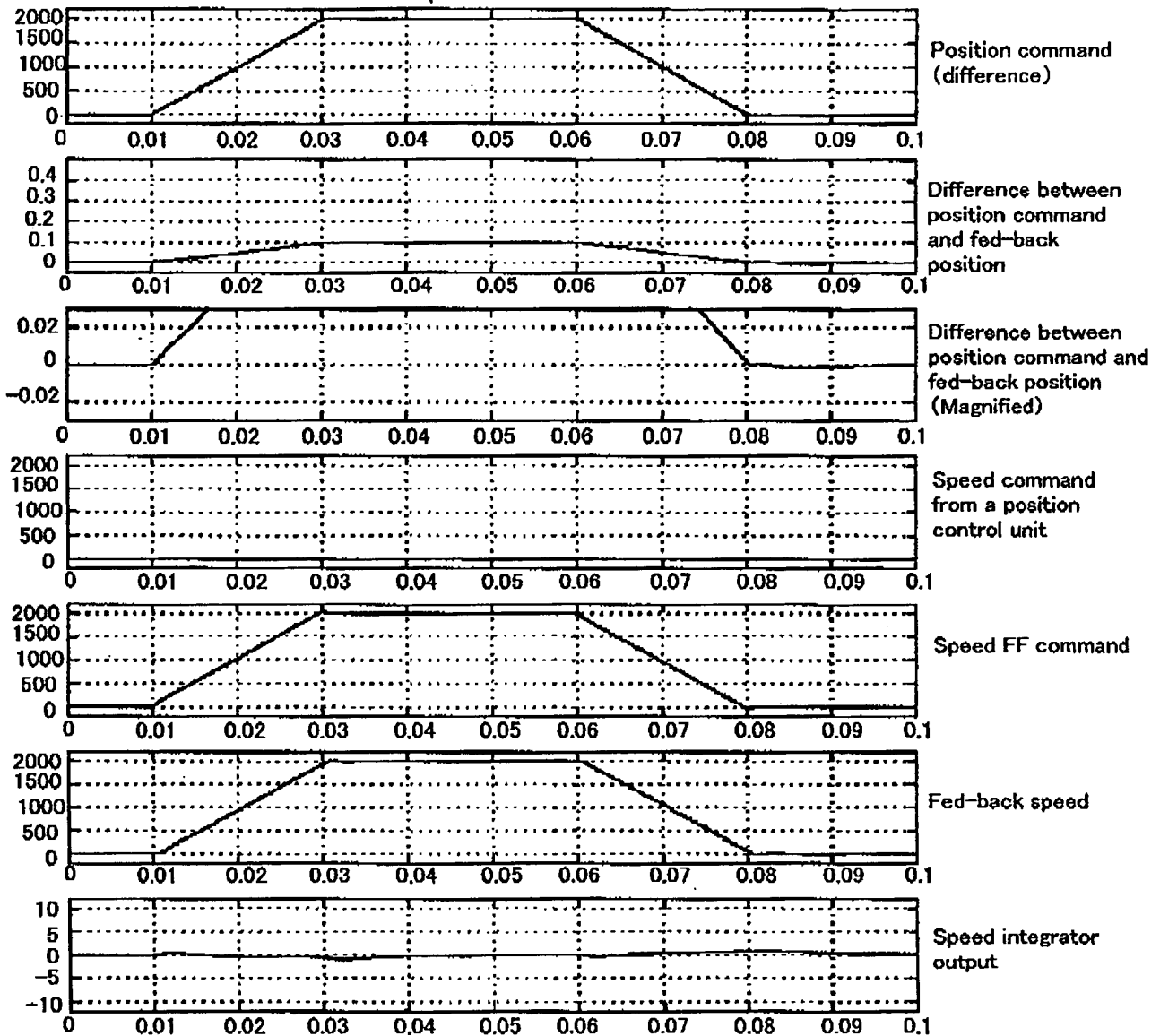
FIG.21



Feed forward gain 100%
 A delay compensation low-pass filter in the speed control unit is applied.
 Differential gain 0
 A delay compensation low-pass filter in position control unit is applied.

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FIG.22



Feed forward gain 100%
 A delay compensation low-pass filter in the speed control unit is applied.
 Differential gain is set.
 A delay compensation low-pass filter in position control unit is applied.

FIG.23

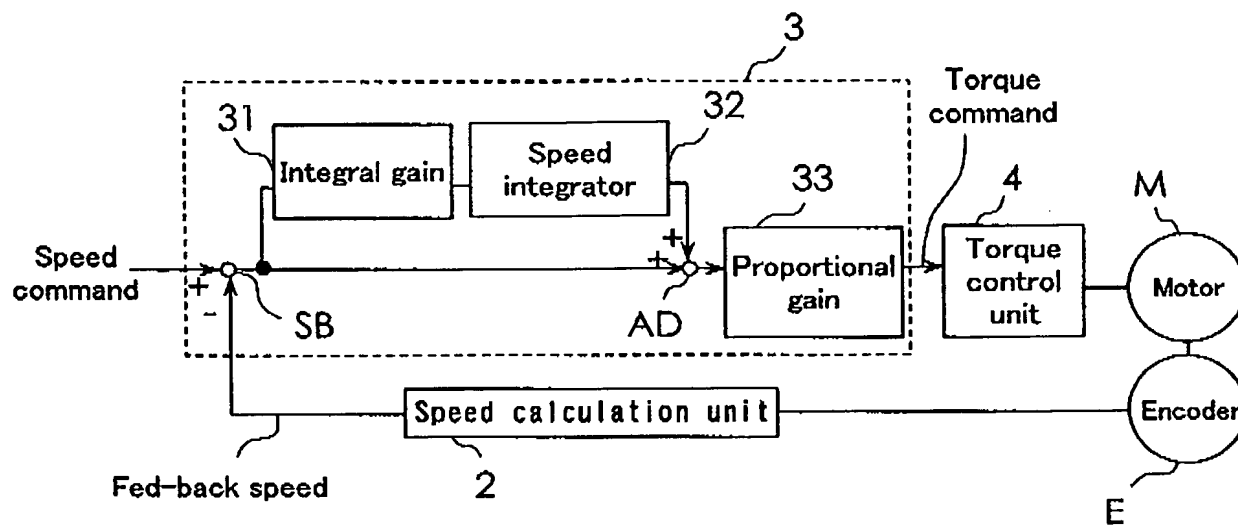


FIG.24

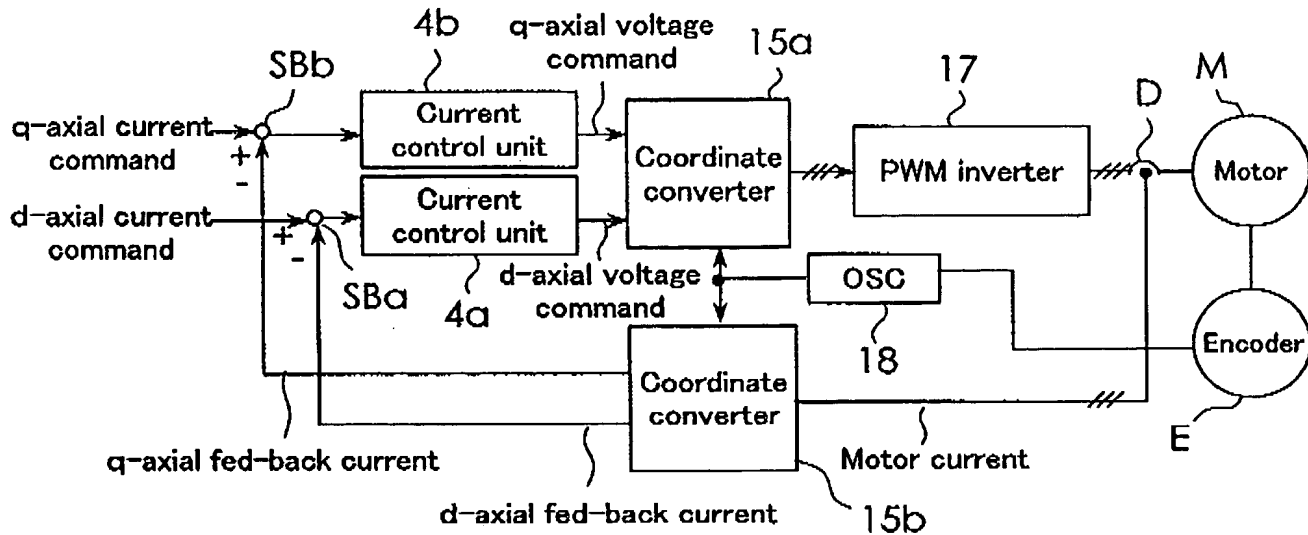


FIG.25

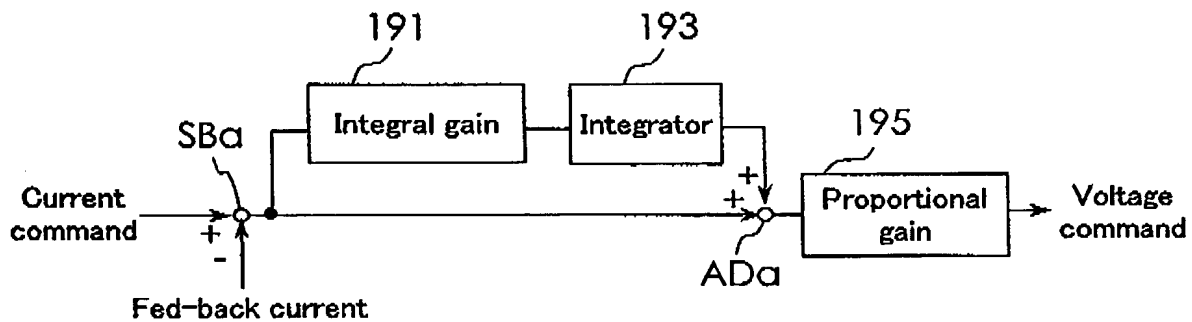


FIG.26

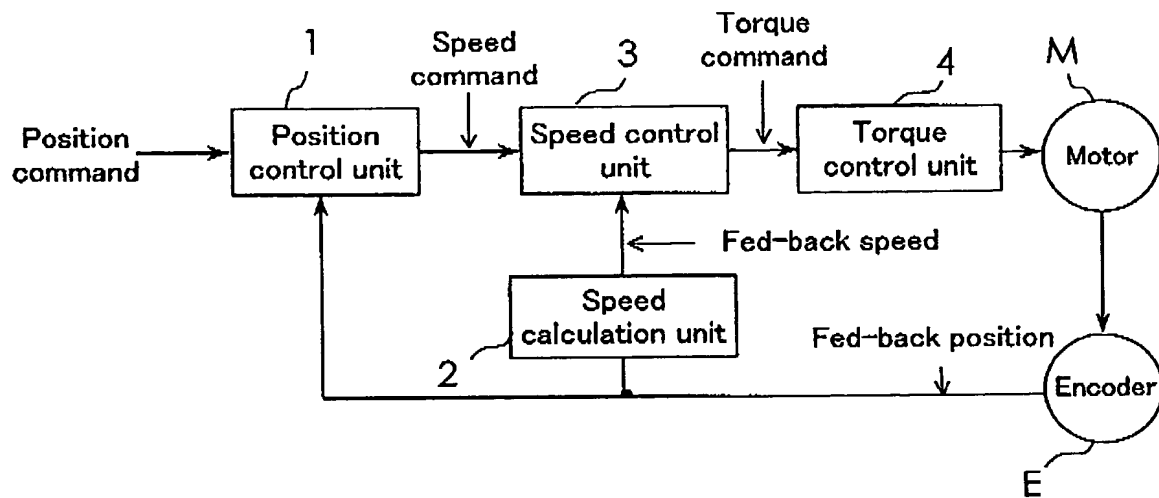


FIG.27

